

Amendments to the Claims

This Listing of Claims replaces all prior versions and listings of claims in the application.

Listing of Claims

1. (Currently amended) A screed capable of flowing comprising: (i) 15% to 75% by weight of a recycled glass waste in the form of an aggregate or of a recycled glass waste sand residue, or a combination thereof; (ii) 15% to 65% of a calcium sulfate powder binder selected from at least one of alpha hemihydrate plaster, beta hemihydrate plaster, anhydrite or a combination of two or more thereof; and (iii) 10% to 20% by weight of water based on the weight of the screed.
2. (Canceled)
3. (Previously presented) A screed according to claim 1 further comprising at least one of Portland Cement, High Alumina Cement, and Calcium Sulpho-Aluminate Cement.
4. (Previously presented) A screed according to claim 3 which comprises a mixture of Calcium sulfate, high alumina cement, and Portland cement.
5. (Original) A screed according to claim 4 which comprises 10% to 80% high alumina cement and from 1% to 20% Portland cement.
6. (Previously presented) A screed according to claim 3 which comprises a mixture of Calcium sulfate, calcium sulfo-aluminate cement, and Portland cement.
7. (Previously presented) A screed according to claim 6 which comprises 10% to 80% calcium sulfo-aluminate cement and from 1% to 20% Portland cement.
8. (Previously presented) A screed according to claim 1 which further comprises about 10% to about 35% limestone powder filler.

9. (Previously presented) A screed according to claim 1 which further comprises about 10% to about 35% of a pulverized fuel ash powder filler.
10. (Previously presented) A screed according to claim 1 which further comprises about 5% to about 20% silica fume powder filler.
11. (Previously presented) A screed according to claim 1 which further comprises a retarder for retarding the powder binder crystalline formation, thereby extending the pot-life of the flowing screed.
12. (Previously presented) A screed according to claim 11 wherein the retarder is selected from citric acid, tartaric acid, boric acid, sodium gluconate, Rochelle salt, tri-sodium citrate, sodium tri-polyphosphate, a chelating agent, or a combination of two or more thereof.
13. (Previously presented) A screed according to claim 11 wherein the screed comprises 0.025% to 2.0% by weight of the retarder.
14. (Previously presented) A screed according to claim 1 which further comprises an accelerator for promoting powder binder crystalline formation.
15. (Previously presented) A screed according to claim 14 wherein the accelerator is selected from lithium carbonate, sodium carbonate, an alkali earth salt, aluminum sulfate, potassium sulfate, a phosphate salt, or a combination of two or more thereof.
16. (Original) A screed according to claim 15 wherein the screed comprises 0.025% to 2.0% by weight of the accelerator.
17. (Previously presented) A screed according to claim 1 which further comprises a plasticizer.

18. (Previously presented) A screed according to claim 17 wherein the plasticizer is selected from a melamine, lingo--sulfate, casein, or a combination of two or more thereof, which enhance the flow characteristics of the flowing floor screed without having to add excess water.
19. (Previously presented) A screed according to claim 17 wherein the screed comprises 0.02% to 2.00% by weight of the plasticizer.
20. (Previously presented) A screed according to claim 1 which further comprises a liquid and/or powdered organic polymer.
21. (Previously presented) A screed according to claim 20 wherein the liquid and/or powdered polymers is selected from organic polymers, co-polymers, ter-polymers, or a combination of two or more thereof, which improve surface abrasion, bond strength to substrates, aggregate or sand suspension.
22. (Previously presented) A screed according to claim 20 wherein the screed comprises 1% to 6% by weight of the liquid and/or powdered organic polymer.
23. (Withdrawn from consideration) A method for production of a screed according to claim 1 which comprises the steps of mixing the components in the required amounts.
24. (Withdrawn from consideration) A method according to claim 23 which includes the steps of keeping the components separate until the screed is required and then mixing the components on site directly before applying the flowing screed to a floor substrate or of first combining the components and mixing them either on site or off site in. a bulk ready-mix truck before applying the flowing screed to a floor substrate surface.
25. (Withdrawn from consideration) A method for remediation of recycled glass waste which comprises at least one of the steps of crushing, washing, sieving and grading of waste glass to produce a sand residue as a component in the production of a flowing screed.